

The Bioinformatics Lab 2011

Typo 3

Contents

- 1) Installation of Typo 3
- 2) Creating a webpage
- 3) Installation of eu_idap
- 4) Installation of RealURL

Contents

- 1) Installation of Typo 3**
- 2) Creating a webpage
- 3) Installation of eu_idap
- 4) Installation of RealURL

Installation of Typo 3

- Installation via aptitude:
 - apt-get install typo3
- During installation you are asked for:
 - Password for typo3-dummy
 - To configure typo3-database with dbconfig-common
 - answer with yes
 - Root password for mySQL server

Installation of Typo 3

- Insert “**Include /etc/typo3-dummy/apache-directory.conf**” to your virtual host page
 - e.g. /etc/apache2/sites-enabled/pfeiff

```
NameVirtualHost *:80
<VirtualHost *:80>
Include /etc/mediawiki/apache.conf
Include /etc/typo3-dummy/apache-directory.conf

ServerName pfeiff
ServerAlias pfeiff.course pfeiff.course

DocumentRoot /var/www

# rest of the file here...
```

- Relead apache2: /etc/init.d/apache2 reload
- Access: <https://pfeiff/cms/>

Installation of Typo 3

- To get access to the installation tool create a file with the name **ENABLE_INSTALL_TOOL** in **/var/lib/typo3-dummy/typo3conf** directory
 - Access: <http://localhost/cms/typo3/install>
 - Default password: joh316
- **1. Basic configuration**
 - Changed site name to “Erik's Typo3 Page”
 - Set an encryption key

Installation of Typo 3

- **2. Database Analyzer**
 - Created admin user
- **3. Update Wizard**
 - Allows to install extensions
 - Click on **compare** then **write to database** to adjust tables
- **4. Image processing**
 - allows to check whether all image processing tasks are ok
- **5. All configuration**
 - allows you to change in a graphical way the localconf.php

Installation of Typo 3

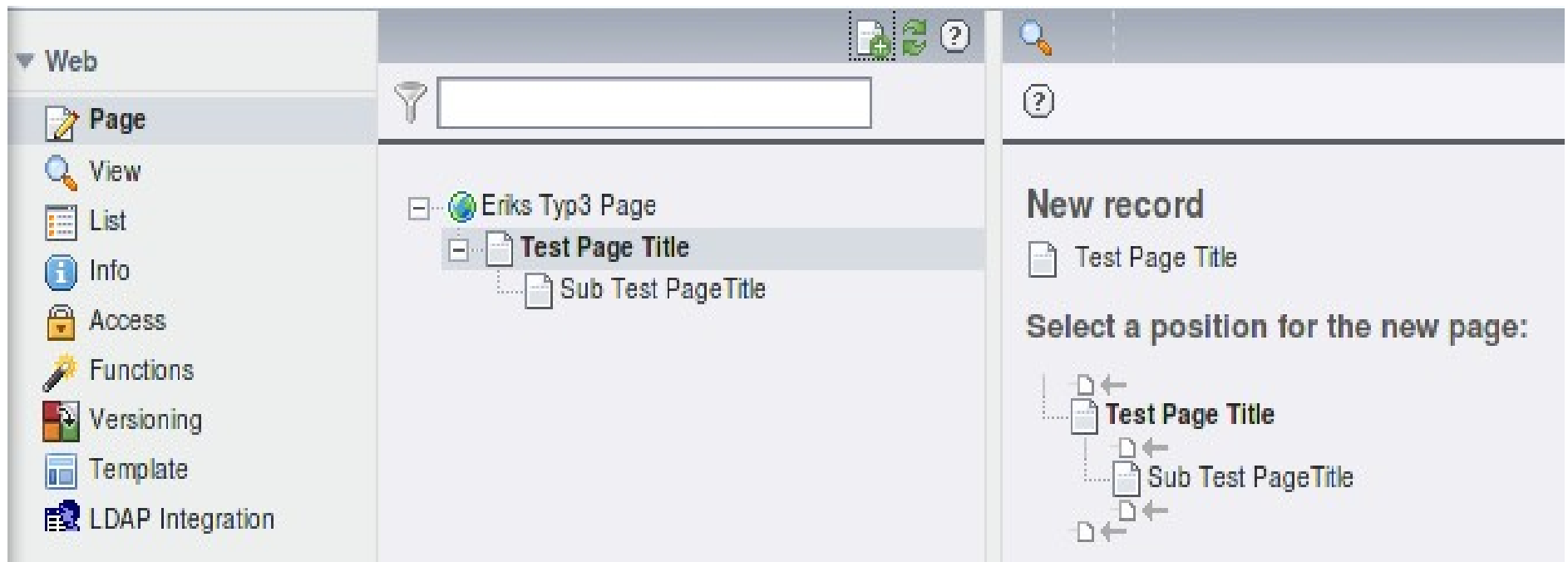
- **6. Type3temp/**
 - allows to delete temp files such as processed and cached images
- **7. Clean up database**
 - allows to clean up tables and cached images to improve performance
- **8. phpinfo()**
 - shows information about your local php configuration by using phpinfo() method
- **9. Edit files in typo3conf**
 - allows the user to edit the files in typo3conf folder such as localconf.php
- **10. About**
 - gives security recomondations such as deleting the typo3/install
 - Changed installation tool password here

Contents

- 1) Installation of Typo 3
- 2) **Creating a webpage**
- 3) Installation of eu_idap
- 4) Installation of RealURL

Creating a webpage

- **Create a new page:**
 - Click on: Web → Page → Create New Page
 - Select position of new page in hierarchy



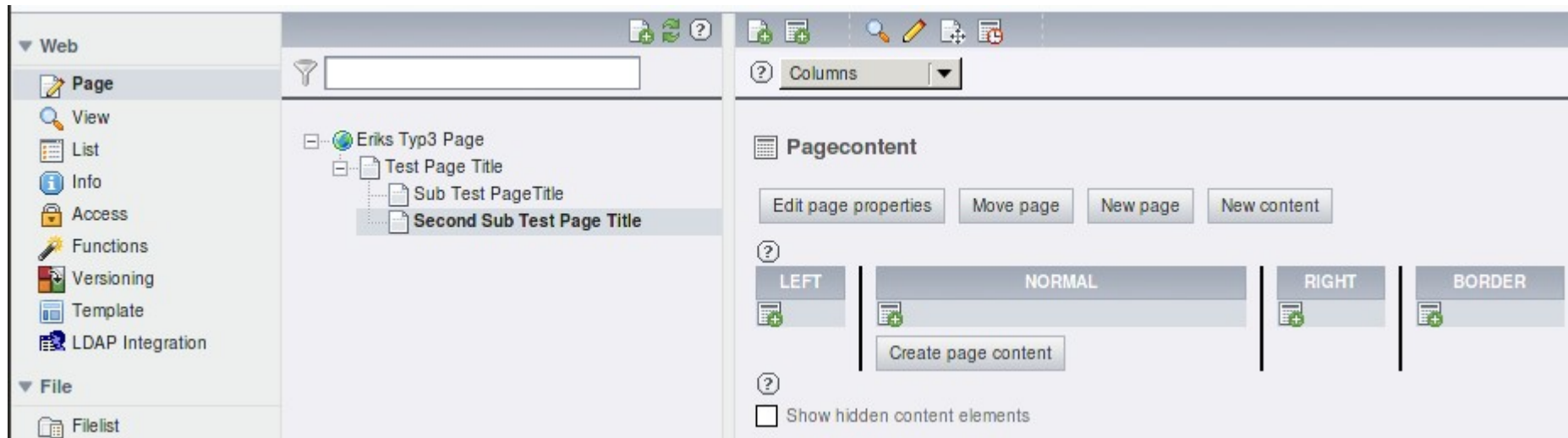
General	Metadata	Resources	Options	Access
<p>Type:</p> <p>Standard</p> <p>Layout: Normal Last updated: 'New' until: No search:</p>				
<p>Hide page:</p> <p></p>				
<p>Hide in menu:</p> <p></p>				
<p>Pagetype:</p> <p>Second Sub Test Page Title</p> <p>Alias: Target: No cache: Cache expires: Disable RealURL cache</p> <p>second-sub-test-pag Target: No cache: Default</p>				
<p>Subtitle:</p> <p>Second Sub Test Page Title</p>				
<p>Navigation title:</p> <p><input checked="" type="checkbox"/> Second Sub Test Page Navigation Title</p>				
<p>Speaking URL path segment:</p> <p></p> <p>Override the whole page path</p> <p></p>				
<p>Exclude from speaking URL:</p> <p></p>				

Creating a webpage

- **Metadata:**
 - Information about the author's name and Email
 - Abstract, keyword and description
- **Resources:**
 - Possibilities to upload files, e.g. pictures
- **Options**
- **Access:**
 - Possibility to define a time frame from when to when this page is available

Creating a webpage

- Creating content for a page
 - e.g. regular text, image, table, etc ...



Creating a webpage

- **Creating a template:**
 - Is necessary to visualize the pages and their content
- **Consists of three components:**
 - HTML File: defines the layout of the webpage
 - CSS File: defines the style of the web page (e.g. font, etc...)
 - TypeScript: configures the template (e.g. menu, etc ...)

General	Options	Includes	Resources	Access
---------	---------	----------	-----------	--------

? Disable:

☐

? Template title:

Test Page Template

? Website title:

Test website Title

? Constants:

? Setup:

```
#Kompatibilität Typo3 4.0
config.simulateStaticDocuments_replacementChar = _

# needed for realURL
config.simulateStaticDocuments = 1
config.simulateStaticDocuments_noTypeIfNoTitle = 1

#config.baseURL = pfeiff/
#[globalString = ENV:HTTP_HOST=pfeiff.course]
#config.baseURL = pfeiff.course/
#[global]

#config.tx_realurl_enable = 1
#config.uniqueLinkVars = 1
# dont forget to set the allowed range - otherwise anything else
#config.linkVars = L(0-3)
```

? Description:

General
Options
Includes
Resources
Access

? Include static:

Selected:

Items:

? Include static AFTER basedOn:

☐

? Include static (from extensions):

Selected:

Items:

CSS Styled Content (css_styled_content)

CSS Styled Content (css_styled_content)

CSS Styled Content TYPO3 v3.8 (css_styled_cor

CSS Styled Content TYPO3 v3.9 (css_styled_cor

CSS Styled Content TYPO3 v4.2 (css_styled_cor

Clickenlarge Rendering (rtehtmlarea)

? Include basis template:

Find records

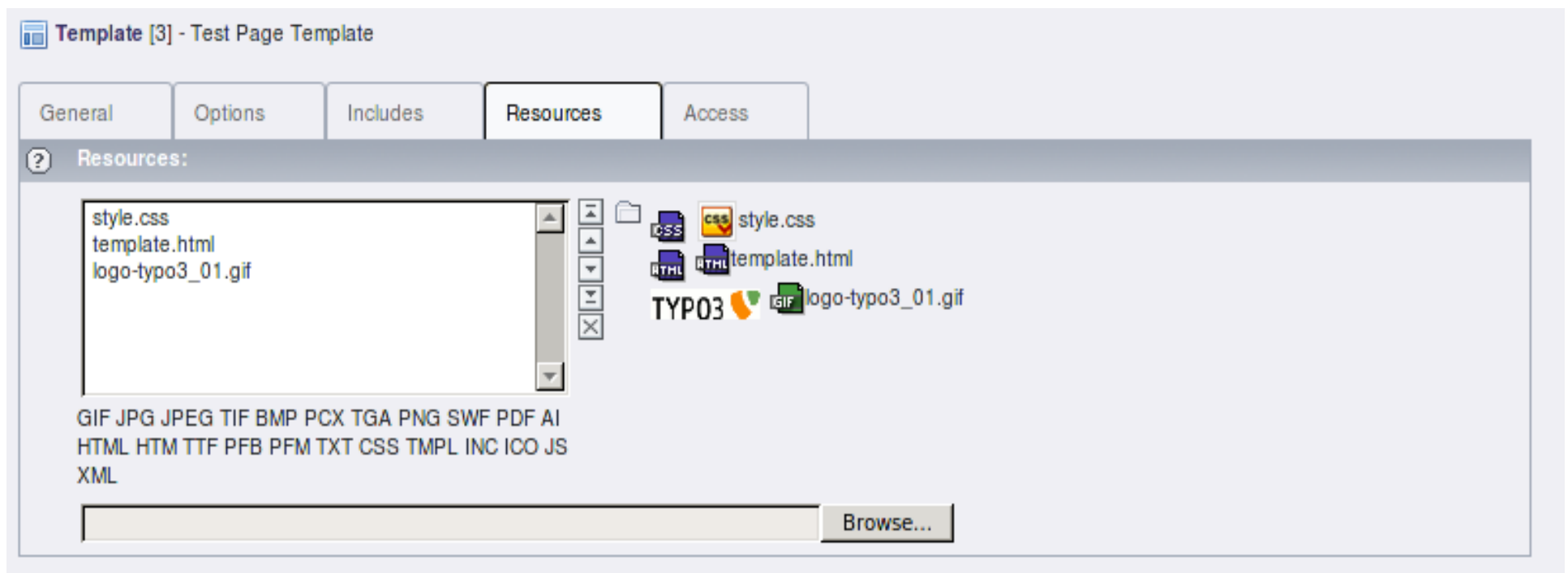
? Static template files from T3 Extensions:

Default (Include before if Root-flag is set)

17

Creating a webpage

- Uploading the resources of the template:



Sub Test Page navigation Title

Second Sub Test Page
Navigation Title

Test page header

Test Page Content...



Contents

- 1) Installation of Typo 3
- 2) Creating a webpage
- 3) Installation of eu_ldap**
- 4) Installation of RealURL

Installation of eu_ldap

- Typo3 extensions are deployed in *.t3x archives
- Purpose: Login management is done by our LDAP server
- Download from: <http://goo.gl/o2uAv>
- Installation via the Extension Manager:
 - Admin tools → Ext Manager → select “import extension” in pull-down menu
 - Then click on “install extension”
 - Asks for table updates → agree

Installation of eu_ldap

- However ...

Database status: **Table error!** ?
Probably one or more required fields/tables are missing in the database!

Flags: Module ?
loadTCA
TCA

Config template: Yes ?

TypoScript files: ?

Language files: ?

Upload folder:

Create directories:

Module names: web_txeldapM1 ?

Class names: tx_euldap_div ?
tx_euldap_module1
tx_euldap_import
tx_euldap_import_addfields
tx_euldap_sv1
tx_euldap_sv2

Code warnings: **Some tables or fields are missing!** ?
(developer-relevant) No XCLASS inclusion code found in file "mod1/class.tx_euldap_div.php".
No XCLASS inclusion code found in file "scheduler/class.tx_euldap_import.php".
No XCLASS inclusion code found in file "scheduler/class.tx_euldap_import_addfields.php".

Naming annoyances:

tables	fe_groups	fe_groups
	be_groups	be_groups
	fe_users	fe_users
	be_users	be_users

?
(developer-relevant)

Files changed:

Contents

- 1) Installation of Typo 3
- 2) Creating a webpage
- 3) Installation of eu_idap
- 4) Installation of RealURL**

Installation of RealURL

- Purpose: transforms hard to read URLs to human readable URLs
- Download from: <http://goo.gl/xJuP5>
- Installation via the Extension Manager:
 - Admin tools → Ext Manager → select “import extension” in pull-down menu
 - Then click on “install extension”
 - Asks for table updates → agree

Installation of RealURL

- make sure mod_rewrite is enabled in apache2
 - look in /etc/apach2/mods-enabled folder whether you find a entry like **rewrite.load**
- change "AllowOverride None" to "**AllowOverride All**" in /etc/apache2/sites-enabled/typo3-dummy-directory

Installation of RealURL

- add the following lines to your virtual host file (e.g. /etc/apache2/sites-enabled/pfeiff) to allow rewrite:

```
RewriteEngine On
RewriteRule ^/typo3$ - [L]
RewriteRule ^/typo3/.*$ - [L]

RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-l
RewriteRule .* /index.php
```

- Reload apache2:
 - /etc/init.d/apache2 reload

Installation of RealURL

- Add the following lines to your typo script of your template (In the setup field):

```
config.simulateStaticDocuments = 0

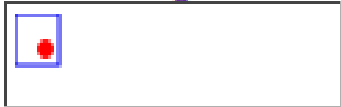
#change to your baseURL here
config.baseURL = http: //pfeiff/
config.tx_realurl_enable = 1
config.uniqueLinkVars = 1
config.linkVars = L(0-3)
```

- Probably you have to clear the cache now
- Your URLs should look like this now:
 - <https://pfeiff/cms/second-sub-test-page/>

Installation of RealURL

- However, RealURL somehow destroys the layout of my sub pages ...

Test Page Navigation Title/Second Sub Test Page Navigation Title



Sub Test Page navigation Title

Second Sub Test Page Navigation Title

Second Sub Test Page Header

Second Sub Test Page Content....

References

- Tutorial of how to create a Typo3 template (in german!)
 - <http://goo.gl/xZJql>
- Manual of how to install eu_ldap:
 - <http://goo.gl/UHoky>
- Manual of how to install RealURL:
 - <http://wiki.typo3.org/Realurl/manual>